

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/855,340

DATE: 06/18/2001

TIME: 16:12:34

Input Set : A:\Pto.amc

Output Set: N:\CRF3\06182001\I855340.raw

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3 <110> APPLICANT: Hosted, Jr., Thomas J.
4   Horan, Ann C.
6 <120> TITLE OF INVENTION: Isolation of Micromonospora carbonacea var africana
7   pMLP1 integrase and use of integrating function for
8   site-specific integration into Micromonospora
9   halophitica and Micromonospora carbonacea chromosome
11 <130> FILE REFERENCE: IN01164K
C--> 13 <140> CURRENT APPLICATION NUMBER: US/09/855,340
C--> 14 <141> CURRENT FILING DATE: 2001-05-15
16 <150> PRIOR APPLICATION NUMBER: 60/204,670
17 <151> PRIOR FILING DATE: 2000-05-17
19 <160> NUMBER OF SEQ ID NOS: 9
21 <170> SOFTWARE: PatentIn Ver. 2.1
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24 <211> LENGTH: 1179
25 <212> TYPE: DNA
26 <213> ORGANISM: Micromonospora carbonacea
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31 cgtgcggagc agttgcaggg caacgcgctc atgccgcgcg gcggtcagat taccctcgcc 180
32 gatttcgtgg gggagtgggt gccgagctac gaaaagacgc tgaaaccgac cgccgtgaac 240
33 tcggagggca accgatccg caaccacctc ctgcccatat tcggccatct cacccttgac 300
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38 ccggagatcg gtcggcttat cacggcgctt ccgccgcact ggcgaccgct cgtcatgctg 600
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40 ctgctcgccg cgcggccccg gctgaccgtc gtcgagcagc tccaggagct ggccagcacg 720
41 ggagagctcg tcttccagtc gccgaagacc gcgaagggcc ggcgcacggg cagtttcacc 780
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43 ttcaccgcgc cgaaaggcgg gatggtaagg acgcgcaatt tccggcggat ctgggtcaag 900
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47 ctgcggcgca tcgaggaggc gatggccggc gtccgggctg aggacctgga ggcggaactc 1140
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52 <211> LENGTH: 426
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59 gtcggccggg gggaggacgg caagaaccgg cccgacgacg cggacctcgt tgcccgcgtc 180
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84 acacgaaggc cccctccact cggagggggc cttcggcggt cctgaggggt cgcggtcagg 180
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97 ttcccatcag tcacccggca agtggatcta ctccacagca gatcaggccc cctccgaaga 180
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110 acccgtagac gaaggcccc tccactcgga gggggccttc ggcgttcctg agggttcgcg 180
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123 aggtaagacc caggtcaggg ccggttctca ccggccctga cgcattttca ggggcatggt 180
124 gggggcgcta ccgggggtgg ggtgtctcac cgcgagccag catctcgatc aggcgatcga 240

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130 <212> TYPE: DNA
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136 gcaagtggat ctactccaca gcagatcagg cccctccga agagggggcc tgatgcgtca 180
137 taggggacag gtaggggaac tcaacccccg gctccttgc cgcgtcgggt catgccgtcc 240
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142 <210> SEQ ID NO: 9
143 <211> LENGTH: 260
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150 accccaggta agaccagggt cagggccggt tctcaccggc cctgacgcat tttcaggggc 180
151 atgggtgggg cgctaccggg ggtggggtgt ctcaccgcca gccagcatct cgatcaggcg 240
152 atcgagccgg cgctgccggg                                     260

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L:13 M:270 C: Current Application Number differs, Replaced Application Number

L:14 M:271 C: Current Filing Date differs, Replaced Current Filing Date